

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	03/28/2019 03/28/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0012_01_s _ 2013_6				
Comment Code					
Inspector Comment					
LMA has a copy of the O&M manual on file					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0012_01_s _ 2013_7				
Comment Code					
Inspector Comment					
LMA has an adequate supply of flood fight supplies in Vacaville at the Lewis stockyard.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0012_01_s _ 2013_9				
Comment Code					
Inspector Comment					
LMA contracts with Solano County Channel Maintenance for flood fight. LMA will check when they last trained.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Mellin Levee	Right	0.59	03/28/2019 03/28/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	10
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.174067 °	38.177508 °
				-121.674271 °	-121.678675 °
DWR ID	DWR_NA0012_01_s_2019_10				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair instabilities caused by cattle walking on the waterside slope.					

Photo 1 of 1 : SP_2019_NA0012_258_10_20190329_00008.jpg



View of slope instabilities caused by cows on the waterside slope (Spring 2019).

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174202 °	38.177746 °
				-121.674435 °	-121.679021 °
DWR ID	DWR_NA0012_01_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation on the landside slope.					

Photo 1 of 1 : SP_2019_NA0012_258_2_20190329_00006.jpg



View of annual vegetation on the landside slope (Spring 2019).

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174201 °	38.180059 °
				-121.674441 °	-121.681966 °
DWR ID	DWR_NA0012_01_s_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the annual vegetation from the crown.					

Photo 1 of 1 : SP_2019_NA0012_258_8_20190329_00007.jpg



View of vegetation on the crown (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Mellin Levee	Right	0.59	03/28/2019 03/28/2019	David Julian

LM Start	0.13	Rating **	U	Issue No.	11
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.175355°	38.175355°
				-121.675833°	-121.675833°
DWR ID	DWR_NA0012_01_f_2018_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Cows are digging into the waterside toe.					

Photo 1 of 1 : SP_2019_NA0012_258_11_20190311_00005.jpg



View of erosion into waterside toe (October 2018).

LM Start	0.18	Rating **	U	Issue No.	5
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.175925 °	38.176615 °
				-121.676618 °	-121.677528 °
DWR ID	DWR_NA0012_01_f_2018_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation up to fence on the landside slope.					

Photo 1 of 1 : SP_2019_NA0012_258_5_20190311_00004.jpg



View of vegetation on the landside slope (October 2018).

LM Start	0.50	Rating **	C	Issue No.	1
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.179138 °	38.179638 °
				-121.680727 °	-121.681370 °
DWR ID	DWR_NA0012_01_f_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation to the bottom of the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	